

07-14-2006



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PATENT IS ONLY

PATENT APPLICATION
DEMARK OFFICE
3 SHEET

113268 U.S. PTO
11/478027
062906

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
James Edwin Pherson and Timothy E. Arnson

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:
☒ Assignment of U.S. Patent Application
entitled **TEMPERATURE CONTROL TO REDUCE
CASCADE FAILURES IN A MULTI-DEVICE
ARRAY** filed **June 29, 2006**.

- ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: **May 31, 2006**

2. Name and address of receiving party(ies)

Name: **Seagate Technology LLC**

Internal Address:

Street Address: **920 Disc Drive**

City: **Scotts Valley** State: **CA** ZIP: **95066**

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: **June 29, 2006**

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom
correspondence concerning document should be
mailed:

Name: **Randall K. McCarthy**

Internal Address:

Street Address: **Fellers, Snider, Blankenship, Bailey
& Tippens, P.C.
100 North Broadway, Suite 1700**

City: **Oklahoma City** State: **OK** Zip: **73102-8820**

Phone Number: **(405) 232-0621**

Fax Number: **(405) 232-9659**

07/13/2006 DRYNE 00000143 191038 11478027

6. Total number of applications and patents
involved: **1**

7. Total fee (37 CFR 1.21(h) & 3.41): \$ **40.00**

- ☐ Authorized to be charged to credit card (see PTO2038)
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

Credit Card Last 4 Numbers

Expiration Date

Deposit Account Number **19-1038**

Authorized User Name

01 FC:8021

40.00 DA

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Randall K. McCarthy

Name of Person Signing

Signature

Reg. No. 39,297

June 29, 2006

Date

Total number of pages including cover sheet, attachments, and document: **3**

ASSIGNMENT

Seagate Docket No. :

STL13147

WHEREAS, I/we James Edwin Pherson of 465 Wintery Circle S., Colorado Springs, CO 80919 and Timothy E. Arnson of 8790 Quail Glen Dr., Colorado Springs, CO 80920 are the inventor(s) of an invention entitled Temperature Control To Reduce Cascade Failures In A Multi-Device Array that is the subject matter of: (check all that apply)

- ☐ a provisional application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. _____ filed on _____;
- ☒ an application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. _____ filed on _____ and/or executed on even date herewith: and
- ☐ an international application for Letters Patent filed pursuant to the Patent Cooperation Treaty which is identifiable in the United States Receiving Office by Application No. _____ filed on _____; and/or executed on even date herewith:

WHEREAS, Seagate Technology LLC, a limited liability company organized and existing under the laws of the State of Delaware and the United States of America, and having offices at 920 Disc Drive, Scotts Valley, California, 95066 USA, ("Assignee") is desirous of acquiring the entire right, title and interest in and to the invention, the applications, and any and all Letters Patent or similar foreign or domestic legal protection;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I/we transfer to Assignee, its successors and assigns, my/our entire right, title and interest in and to the invention, the above-identified applications, all provisional applications from which any of the above-identified applications claim priority, corresponding domestic and foreign applications, any continuation, division, renewal, or substitute for the applications, all Letters Patent, any reissue, re-examination, or similar legal protection issuing related to the Letters Patent, and all rights and benefits under any applicable treaty or convention; and I/we authorize the Director of the United States Patent and Trademark Office or foreign equivalent to issue the Letters Patent or similar legal protection to the Assignee.

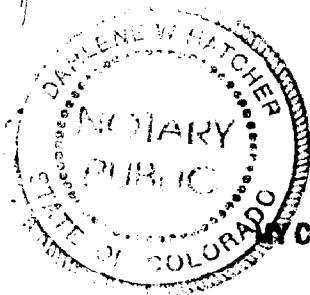
I/We authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers when ascertained. I/We further authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries and appoint Assignee the common representative in the above identified international application and any international application for the invention.

I/We represent to the Assignee, its successors and assigns, that I/we have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I/We, my/our executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries, including without limitation providing testimony in any related interference, litigation or proceeding.

James Edwin Pherson
James Edwin Pherson(Inventor)

Subscribed and sworn to before me at 130 United Heights US 2800, a Notary Public, this 31 day
of May, 2006.

(SEAL)

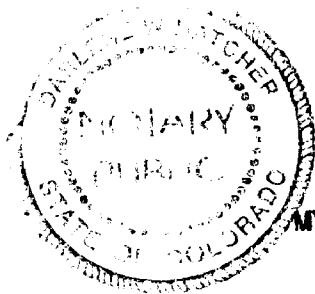


[Signature]
Notary Public

Timothy E. Arnson
Timothy E. Arnson(Inventor)

Subscribed and sworn to before me at 130 United Heights US 2800, a Notary Public, this 31 day
of May, 2006.

(SEAL)



[Signature]
Notary Public

ASSIGNMENT

COPY

Seagate Docket No. :

STL13147

WHEREAS, I/we James Edwin Pherson of 465 Wintery Circle S., Colorado Springs, CO 80919 and Timothy E. Arnson of 8790 Quail Glen Dr., Colorado Springs, CO 80920 are the inventor(s) of an invention entitled Temperature Control To Reduce Cascade Failures In A Multi-Device Array that is the subject matter of: (check all that apply)

- ☐ a provisional application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. _____ filed on _____;
- ☒ an application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. _____ filed on _____ and/or executed on even date herewith: and
- ☐ an international application for Letters Patent filed pursuant to the Patent Cooperation Treaty which is identifiable in the United States Receiving Office by Application No. _____ filed on _____; and/or executed on even date herewith:

WHEREAS, Seagate Technology LLC, a limited liability company organized and existing under the laws of the State of Delaware and the United States of America, and having offices at 920 Disc Drive, Scotts Valley, California, 95066 USA, ("Assignee") is desirous of acquiring the entire right, title and interest in and to the invention, the applications, and any and all Letters Patent or similar foreign or domestic legal protection;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I/we transfer to Assignee, its successors and assigns, my/our entire right, title and interest in and to the invention, the above-identified applications, all provisional applications from which any of the above-identified applications claim priority, corresponding domestic and foreign applications, any continuation, division, renewal, or substitute for the applications, all Letters Patent, any reissue, re-examination, or similar legal protection issuing related to the Letters Patent, and all rights and benefits under any applicable treaty or convention; and I/we authorize the Director of the United States Patent and Trademark Office or foreign equivalent to issue the Letters Patent or similar legal protection to the Assignee.

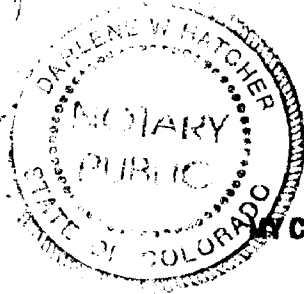
I/We authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers when ascertained. I/We further authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries and appoint Assignee the common representative in the above identified international application and any international application for the invention.

I/We represent to the Assignee, its successors and assigns, that I/we have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I/We, my/our executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries, including without limitation providing testimony in any related interference, litigation or proceeding.

James Edwin Pherson
James Edwin Pherson(Inventor)

Subscribed and sworn to before me at 130 United Heights US 2800, a Notary Public, this 31 day
of May, 2006.

(SEAL)



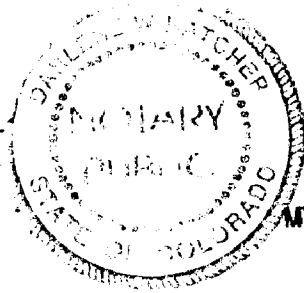
MY COMMISSION EXPIRES
12/09/2007

[Signature]
Notary Public

Timothy E. Arnson
Timothy E. Arnson(Inventor)

Subscribed and sworn to before me at 130 United Heights US 2800, a Notary Public, this 31 day
of May, 2006.

(SEAL)



MY COMMISSION EXPIRES
12/09/2007

[Signature]
Notary Public